

STOUT STATE COLLEGE

MENOMONIE, WISCONSIN



STOUT
SERIES
2
2/23

Fifty-Second Annual

summer session

STOUT STATE COLLEGE

VERNE C. FRYKLUND, PRESIDENT

Menomonie, Wisconsin



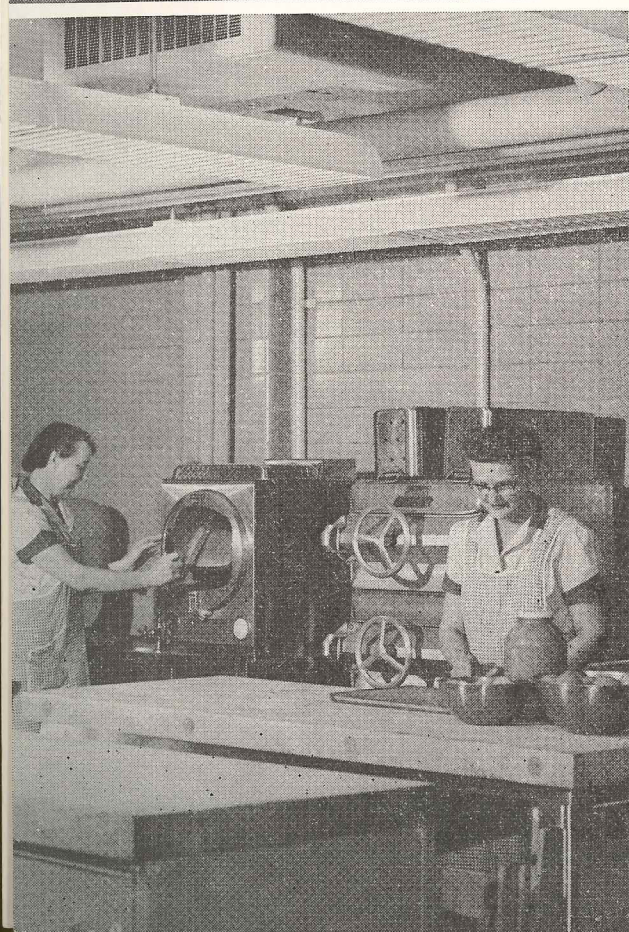
june 24 - august 2

Post Session

August 5 - August 16

Dr. Paul Popenoe, founder and director of the American Institute of Family Relations, and Mr. Roy E. Dickerson, Executive Secretary of the Cincinnati Social Hygiene Society, will conduct a one week workshop on Family Relationships and Mental Health. This conference will be held June 17-21.

A Work Conference will be sponsored by the Wisconsin State Board of Vocational and Adult Education. Teachers attending this conference are identified in advance through State and local selection. The 1957 conference will be held June 17-21.



- Coeds enjoy attractive, comfortable rooms in the new residence hall for women. And having a roommate adds much to the pleasure of life at college.

- Tasty, attractive meals are served to girls in the residence halls. Food is prepared under the most sanitary conditions and served in the beautiful dining hall overlooking Lake Menomin.

1957 summer session

Resident faculty

Verne C. Fryklund, PH.D., President

John A. Jarvis, PH.D., Dean, Division of Industrial Education, Director of Summer Session

Alice J. Kirk, ED.D., Dean, Division of Home Economics

Ralph G. Iverson, ED.D., Director, Student Personnel Services

Ray A. Wigen, PH.D., Director of Graduate Studies

Keturah Antrim, PH.M., Dean of Women, Associate Professor of Physical Education

Merle M. Price, M.A., Dean of Men, Associate Professor of Social Science

Norman Adams, PH.D., Assistant Professor of English

Dwight L. Agnew, PH.D., Head of Department and Professor of Social Science

Martha Ruth Amon, M.S., Head of Department of Related Art and Associate Professor of Home Economics

David Barnard, ED.D., Associate Professor of Industrial Education, Visual Education

Phyllis Bentley, M.S., Director of Library

Dwight D. Chinnock, M.A., Associate Professor of Education, Supervisor of Student Teaching

Dorothy Clure, M.A., Assistant Professor of Home Economics

Lillian S. Cooper, PH.D., Assistant Librarian

Thomas Fleming, PH.D., Associate Professor of English

Harold Halfin, M.S., Instructor of Industrial Education

Myron Harbour, PH.M., Assistant Professor of Science and Mathematics

Margaret S. Harper, M.S., Associate Professor of Home Economics

Ray C. Johnson, M.A., Head of Department and Associate Professor of Physical Education

- Mary Killian, M.A., Associate Professor of Home Economics,
Food and Nutrition
- Dick G. Klatt, M.S., Assistant Professor of Industrial Education,
General Metals
- Ray F. Kranzusch, M.A., Associate Professor of Industrial Education
- Anne Marshall, PH.D., Head of Department and Professor of
Science and Mathematics
- Ella Jane Meiller, M.S., Professor of Food and Nutrition, Head of
Department of Food and Nutrition
- Otto Nitz, PH.D., Professor of Science and Mathematics
- Ann Noble, M.S., Professor of Home Economics, Head of Department of
Home Economics Education
- Erich Richard Oetting, PH.D., Head of Department and Professor of
Psychology and Education
- K. T. Olsen, M.S., Associate Professor of Industrial Education,
Woodworking, Carpentry
- Ernest Rawson, M.E., Associate Professor of Industrial Education,
Auto Mechanics, Metalworking
- E. Robert Rudiger, ED.D., Associate Professor of Education
- Philip W. Ruehl, M.S., Associate Professor of Industrial Education, Electricity
- Guy Salyer, PH.D., Professor of Psychology and Education
- Benita Grote Smith, M.S., Associate Professor of Home Economics, Family
Life Education, Director of Nursery School
- George Soderberg, M.A., Associate Professor of Industrial Education,
Woodworking
- Robert Swanson, PH.D., Associate Professor of Industrial Education
- Gladys Trullinger, M.S., Associate Professor of Home Economics, Family
Life Education, Director of Home Management Residence
- Alyce Vanek, M.S., Instructor in Home Economics, Clothing
- Hazel Van Ness, A.M., Associate Professor of Home Economics,
Clothing and Textiles
- Gustave Wall, PH.D., Professor of Education, Graduate Studies
- Lloyd Whydotski, A.M., Head of Department of Printing, Associate
Professor of Industrial Education
- Theodore E. Wiehe, ED.D., Assistant Professor of Industrial Education
- Norman C. Ziemann, M.A., Head of Department and Assistant
Professor of Speech

visiting faculty

R. W. Bardwell, PH.D., Director of Madison Vocational and Adult School

Roy E. Dickerson, LL.M., Executive Secretary of the Cincinnati Social Hygiene Society, Cincinnati, Ohio

John Plenke, M.S., Supervisor of Trade and Industry, State Board of Vocational and Adult Education, Madison

Paul Popenoe, PH.D., Founder and Director of the American Institute of Family Relations

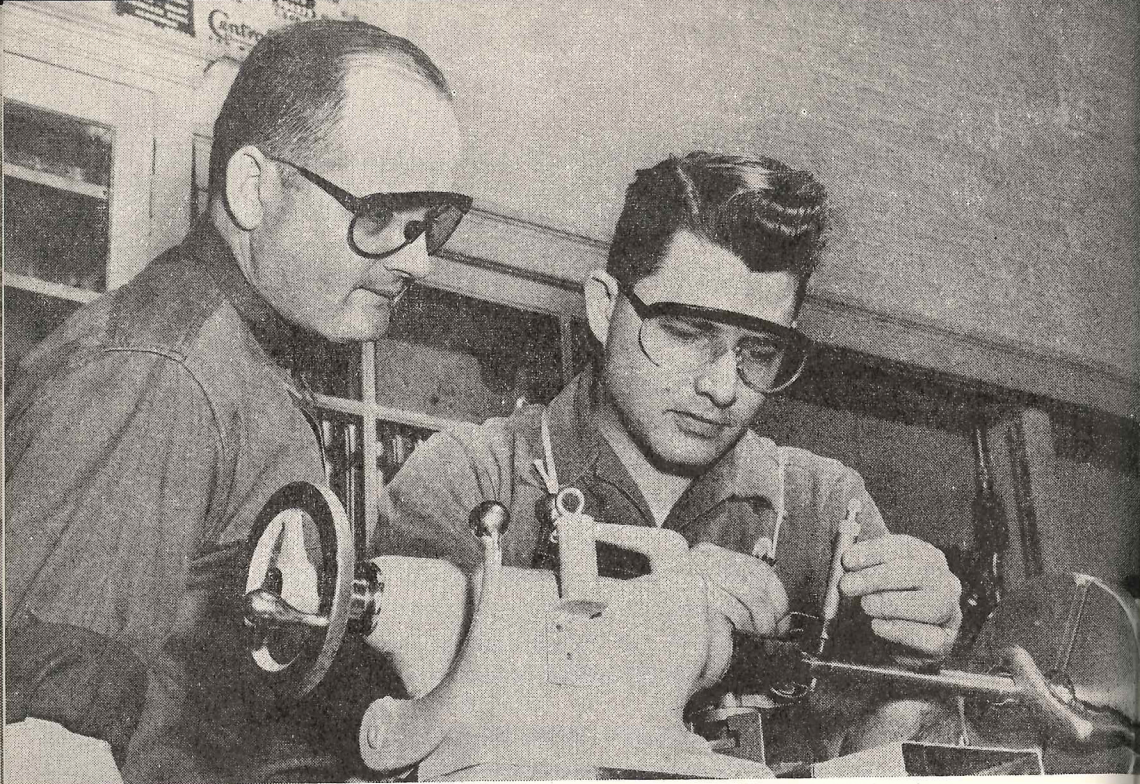
Richard Whinfield, M.S., Supervisor of Occupational Information and Guidance, State Board of Vocational and Adult Education, Madison

PRE-SESSION VOCATIONAL INSTITUTE LEADERS

H. C. Thayer, M.S., Chief, Trade and Industrial Education, State Board of Vocational and Adult Education, Madison, Chairman

Roy Fairbrother, M.S., Supervisor of Distributive Education, State Board of Vocational and Adult Education, Madison

Martin Wesolowski, B.S., Teacher Trainer, Trade and Industrial Education, State Board of Vocational and Adult Education, Madison



- Stout students work in modern and well equipped laboratories. Here they are taught the latest techniques in research and experimentation. Both men and women participate in laboratories which are under the personal supervision of competent instructors.

General information

The fifty-second annual summer session opens June 24, 1957. The pattern of work available during the six week period is indicated in the schedule of classes elsewhere in this bulletin. Registration will take place on Monday, June 24, with classes beginning Tuesday, June 25. Four courses will be offered in the post session, August 5 through August 16: Basic Driver Education, Advanced Driver Education, Plastics, and Project Development.

Beginning this year, Stout will offer a lengthened summer session. Thus, a graduate student can complete a Master of Science at Stout by attending four summer sessions. Formerly a minimum of five summers was required.

Students who plan to attend the 1957 Stout State College summer session should use the advance enrollment blank, located in the back of this bulletin, to insure a place in the class desired.

ENROLLMENT

The enrollment of summer session students is by subjects. The number of students allowed in each class is definitely defined. Students are enrolled in the subjects which they desire in the order in which advance enrollments are received. Advance enrollment assists, therefore, in securing a place in the sections which the individual desires. In sending in the advance enrollments, kindly use the blank included in this bulletin for that purpose. It is requested that advance enrollment be sent in only when the definite decision has been made to attend. For several sessions numerous classes have been filled and closed. Students are requested to check the hours when classes are offered and to enroll only in classes which do not result in a time conflict.

Effort has been made in formulating the 1957 summer session program to make the selection of subjects and the arrangements of combinations to fit as many probable requirements as possible. Advance enrollment does not constitute official registration. However, recognition of the priority in advance enrollment will be given if the student is present and has completed his registration on registration day for the period he plans to attend.

UNDERGRADUATE AND GRADUATE WORK

Both graduate and undergraduate courses will be offered in the 1957 summer session. Courses are adjusted to current problems. Significant curriculum revisions have been made to meet new educational, social, and technical requirements.

The undergraduate work at Stout State College leads to the degree of Bachelor of Science with majors in Home Economics Education, Dietetics

or Institution Management, Industrial Education, Vocational Education or Industrial Technology. The graduate work leads to the degree of Master of Science with similar majors. The undergraduate and the graduate courses in the summer session are articulated with the undergraduate and graduate work in the regular session.

FOR VARIOUS NEEDS

For teachers, supervisors, and others in educational work, the summer session provides specific aids in meeting new demands. These opportunities are available in both graduate and undergraduate programs. The graduate program offers specific opportunities to aid educators whose major professional responsibilities are in close relationship to the various phases of home economics and industrial education. The fifth year of work on the graduate basis is a flexible sequence of experiences in a well-balanced program leading to certain definite professional objectives.

Vocational teachers and administrators will find many specific courses in the summer session plan to be of immediate value to them. The majority of the courses in the summer session are six weeks in length. There are in addition a number of short unit courses on the three weeks basis. A number of these provide opportunity for specific studies in connection with vocational home economics. The Wisconsin State Board of Vocational and Adult Education through the use of federal teacher training funds, is cooperating with Stout State College in the preparation of teachers for schools of vocational and adult education. The summer session schedule carries a strong range of courses required for vocational certification.

Teachers of subjects other than Home Economics or Industrial Education in elementary, junior high, senior high, and vocational schools or college positions frequently avail themselves of the opportunities in Stout State College summer session to acquire special content in Home Economics or Industrial Education fields or to supplement previous training in their particular field.

ADMISSIONS

Graduate and undergraduate students who are entering Stout State College for the first time and who plan to continue on in the regular session must submit a regular application for admission. Official transcripts of credits earned in other colleges must be sent by the Registrar of the college where the credit was earned to the Registrar at Stout State College. Application blanks may be secured by writing to the Registrar at Stout State College. Students who are not working for a degree from Stout State College should use the advance enrollment blank which may be found in the back of this bulletin. Regular application and transcripts are not necessary for those who are not working for a degree from Stout State College.

SUMMER SESSION FEES

June 24 - August 2

Resident tuition	None
Nonresident tuition	None
Incidental fees	
Incidental fee including textbook rental and health service per session of 6 weeks (undergraduate)	\$35.00
Summer session of 8 weeks (graduate student)	60.00
Summer session of 6 weeks (graduate student)	47.50
Activities fee	10.00
Special examination fee	2.00
Diploma fee (at graduation)	5.00
Thesis binding fee, each	2.00
(\$5.00 additional if over 140 pages)	

Post Session

August 5 - August 16

Graduate, resident or nonresident of Wisconsin	30.00
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CANDIDATES FOR DEGREES

Candidates for the degree of Bachelor of Science must earn a minimum of one hundred and twenty-four or one hundred and twenty-eight semester hours of credit according to the required curriculum. The minimum residence requirements for the degree of Bachelor of Science are thirty-two semester hours and thirty-two grade points to be earned in at least thirty-six weeks of attendance at Stout State College. All students must earn final credits for graduation in residence. Beginning with September, 1940, candidates for the degree of Bachelor of Science have been required to complete the last year of credit at Stout State College. This requirement may be interpreted to mean one full year of continuous residence or the equivalent in semesters or in summer sessions.

The specific program arranged by hours in the day and weeks in the session is included elsewhere in this bulletin.

EARLY APPLICATIONS

Preference is given to those who make early application. After the enrollment in a class has reached the number that can be taught with profit to the students, no more are admitted. Classes will not be offered where the class registration is less than the minimum requirement for the particular course. An application blank for advance enrollment is included elsewhere in this bulletin.

CREDIT IN SUMMER SESSION

Credit granted for courses taken during the summer session will apply on course requirements where such courses are in the curriculum leading to the degree. The time assigned to courses in the summer session is adjusted to the plan of operation. In the very large majority of cases, the credit assigned to courses in the summer session is the same as that assigned to the courses during the regular session.

Grade reports will be mailed only upon request. Students desiring to have summer session grade reports should leave a self-addressed envelope at the Registrar's Office.

Stout State College reserves the right to cancel any course having an insufficient enrollment.

SUMMER SESSION GRADUATES

Students who expect to meet graduation requirements at the close of the summer session must clear all transcripts of credit with the Registrar's Office by July 24. Early in the summer session all summer session graduates should notify the registrar of intent to graduate.

HOUSING RESERVATIONS

Students wishing assistance in securing housing accommodations are urged to make early inquiry. All requests for housing, dormitory or otherwise, should be made on the housing application form included elsewhere in this bulletin.

Dormitory rooms may be occupied Saturday, June 22, 1957. Other rooms and apartments may be occupied as arranged for in advance.

CAFETERIA

Meal service is available to both men and women in the new dormitory. Meals are available at a meal rate and at a special reduced rate for fourteen meals per week for the six weeks period.

THE COLLEGE UNION

The college union will be in operation during the summer session, with the complete facilities of the union available, including the fountain, the game room, and the bowling alleys. The definite hours will be determined by the students' demand for the services of the union.

STUDENT HOUSING UNITS

Stout State College owns an adequate number of barracks apartments which are available for married students. Preference is given to veterans. All of the units are two-bedroom apartments, renting for \$30.00 per month. Util-

ities are paid by the tenant. A limited amount of basic furniture may be rented at a nominal cost.

Usually there are several of the regular session students who sublet their apartments for the summer session at a somewhat higher rate. Applications are filled in the order students are accepted for the summer session.

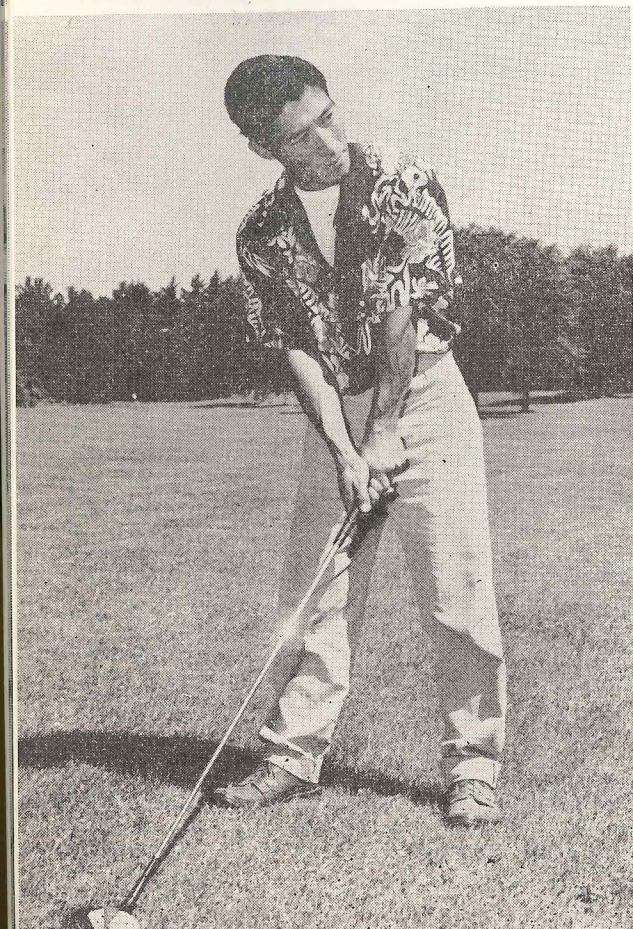
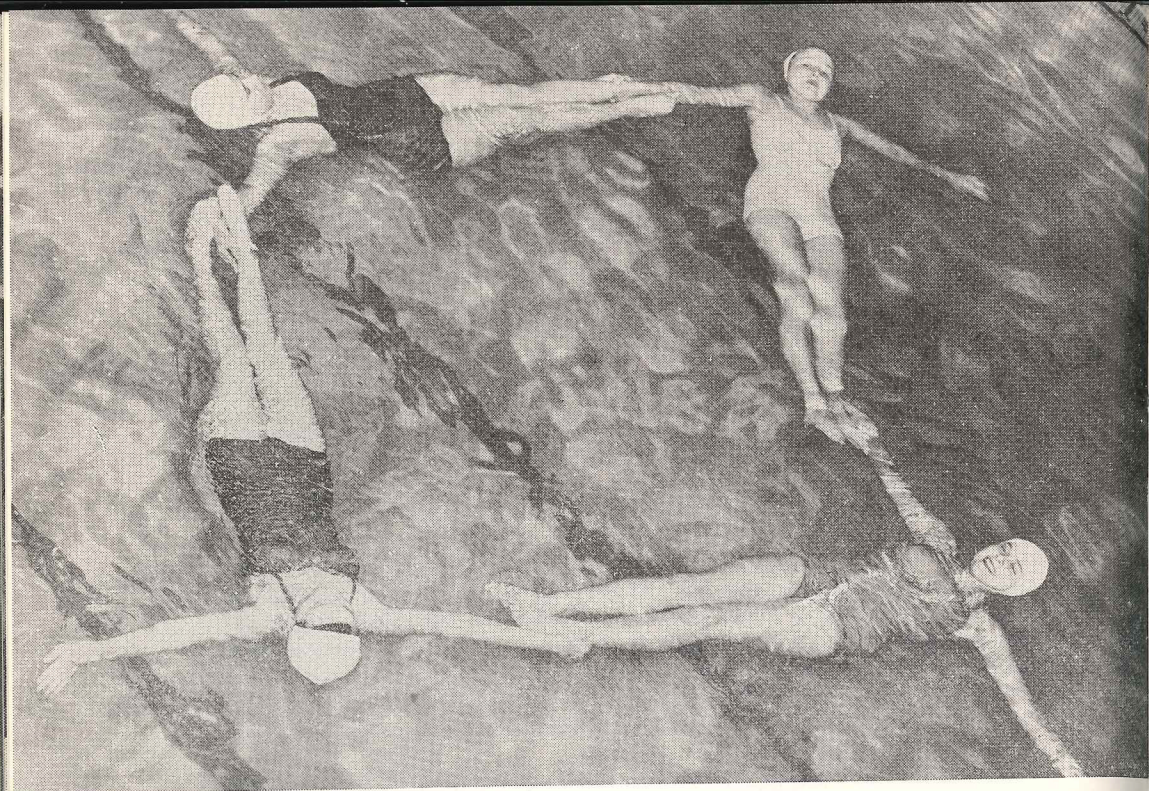
CAMP COLONY

For a number of years, Stout State College has operated an attractive Camp Colony under the supervision of a faculty committee. Stout State College owns twenty acres of timber land directly south of the Dunn County Fair Grounds, at the east end of Wilson Avenue. This Camp Colony is located just beyond the student housing units at Fair Oaks.

The City of Menomonie has extended water and sewage facilities to the edge of the present camp site. Modern facilities have been installed including electric lights, study hall, laundry, showers and toilets. Roads approaching the camp have been improved. Building construction at the camp is in the form of permanent improvements.

Plenty of room is available. A table is furnished for each family or group, and floors are available. The grounds are well lighted and power outlets are accessible for trailers and tents.

The site has many attractive features for a summer camp. Being on high ground and with plenty of shade, it is especially cool in summer. The view of the surrounding country is excellent. There is plenty of room for children to play with a minimum of danger from accident. Local dairy concerns deliver to the individual customers.



● Recreation is an important part of any summer session. A cool dip in the crystal pool or a pleasant round of golf are only a few of the warm-weather pleasures for which Stout is famous. Located at the gateway to Wisconsin's Indianhead vacationland, Menomonie offers a wide choice of fishing, boating, swimming, archery, tennis, and college parties.

DESCRIPTION OF COURSES

ELECTRICAL WORK

Industrial Education 347 *Radio I*

Prerequisite: Industrial Education 343

Construction, testing, trouble shooting and repair of superhetrodyne A.M. receivers. Fundamental principles of transmitters and antenna systems.

Ruehl (12:30-2:50)

Credit: 2

Industrial Education 439 *Applied Electronics*

Prerequisite: Industrial Education 347, Science 427, or Consent of Instructor

Advanced study of model electronic circuits as applied to the control of industrial and commercial processes.

Ruehl (12:30-2:50)

Credit: 2

GENERAL

Industrial Education 253 *General Shop*

Prerequisite: Sophomore Standing

Related information and basic operations in plastics, ceramics, leatherwork, and bench metalwork. Experience in personnel plans for the general shop.

Kranzusch (10:00-12:20)

Credit: 2

Industrial Education 365 *General Shop*

Prerequisite: Industrial Education 253

Advanced related information and operations in plastics, ceramics, and leatherwork. Special emphasis on the development of projects for use in teaching a general shop.

Kranzusch (10:00-12:20)

Credit: 2

Industrial Education 463 *Project Development*

A workshop in the design and development of projects for industrial arts courses. A laboratory course covering the philosophy and approach of modern industrial designers. Class members will design and construct projects in their field of major interest. Provision will be made for the duplication and exchange of drawings of projects designed. Written report required of graduate students.

Wiehe (August 5-August 16)

Credit: 2

MECHANICS

Industrial Education 242 *General Motor Mechanics*

Internal combustion engines. Suspensions and steering, fuel systems, carburetion, ignition systems, power trains. Application to vehicles of transportation.

Rawson (7:30-9:50)

Credit: 2

Industrial Education 245 *Auto Mechanics*

Repair of automobile parts, not including the engine. Fender and body repairing, refinishing, interior trim repairing, wheel alignment, wheel balancing, servicing, adjusting or repairing units of the chassis.

Rawson (10:00-12:20)

Credit: 2

Industrial Education 247 *Auto Mechanics*

Engine rebuilding and tune-up; servicing and repairing engine accessories. Reboring and honing cylinders; fitting pistons, rings, and piston pins; grinding, seating, and testing valves; repairing and adjusting carburetors.

Rawson (10:00-12:20)

Credit: 2

Industrial Education 341 *Auto Mechanics*

Principles of operation, adjustments and repair of the various types of circuits, operating units, and storage batteries. Testing lighting circuits, generators, voltage regulators, distributors. Diagnosing, locating, and repairing electrical troubles on live cars.

Rawson (7:30-9:50)

Credit: 2

METAL WORKING

Industrial Education 113 *Machine Shop*

Basic instructional units covering the lathe, milling machine, drilling machine, shaper and grinding machine. Shapes of cutting tools, grinding, setting and operating; feeds and speeds for cutting various metals.

Halfin (3:00-5:20)

Credit: 2

Industrial Education 235 *Machine Shop*

Prerequisite: Industrial Education 113

Helical gear cutting and rack cutting on the milling machine; internal and external square thread cutting on the lathe; cylindrical grinding on the universal grinder.

Halfin (3:00-5:20)

Credit: 2

Industrial Education 237 *Machine Shop*

Prerequisites: Industrial Education 227 and 235

Helical and worm gearing, tool making and cutter grinding. Jigs and fixtures.

Halfin (10:00-12:20)

Credit: 2

Industrial Education 335 *General Metal*

Prerequisite: Industrial Education 113

General shop of the trade group type. Organization, layout, equipment, management, uses of instructional material; selected projects in bench metal, forging, heat treating, machine shop, oxyacetylene welding and cutting.

Klatt (10:00-12:20)

Credit: 2

Industrial Education 355 *General Metal*

Prerequisite: Industrial Education 335

Advanced work in ornamental and tool forging. Oxyacetylene welding, power hammer work, bench metal, heat treating, and use of ceramic tile in combination with metal. Study of new machines, tools, metals, and manufacturing.

Klatt (7:30-9:50)

Credit: 2

Industrial Education 435 *Machine Shop*

Prerequisite: Industrial Education 237

Bevel-gear cutting, internal grinding, problems in tool making. Selection of appropriate instructional materials.

Halfin (10:00-12:20)

Credit: 2

Industrial Education 457 *Electric Arc Welding*

Prerequisite: Industrial Education 335

Characteristics and operation of several kinds of arc welding equipment. Preparation of joints, striking and manipulation of the arc in various weld positions, welding of the common metals, symbols, types of electrodes, hand and machine cutting, destructive and nondestructive testing of welds.

Klatt (10:00-12:20)

Credit: 2

Industrial Education 461 *Tool and Die Making*

Prerequisites: Industrial Education 237, 239, and for Graduate Students, Education 501

Operations and related technical information units for selected examples of: single station cutting dies; drawing, expanding, non-cutting, assembling, progressive, and finishing dies; permanent molds. Layout work, methods of fabrication and machine tool operations involved will be planned by the student.

Klatt (7:30-9:50)

Credit: 2

PHOTOGRAPHY**Industrial Education 205 *Elementary Photography***

Picture taking, film developing, printing and enlarging. Each student required to provide camera and photographic film. Chemicals and photographic paper supplied.

Whydotski (10:00-12:20)

Credit: 2

PLASTICS

Industrial Education 440 *Plastics*

Prerequisite: Undergraduate Students, Junior Standing, Industrial Education 253; Graduate, Education 501 Only

Designing plastics projects; constructing forms, molds, jigs, and fixtures; forming, laminating, and casting with various plastics. Graduate students will prepare a technical report.

Swanson (August 5-August 16)

Credit: 2

PRINTING

Industrial Education 117 *Elementary Composition*

Elements of composition, stonework, and platen press work. Projects in straight composition involving basic operations of job printing.

Whydotski (7:30-9:50)

Credit: 2

Industrial Education 255 *Advanced Composition*

Prerequisite: Industrial Education 117

Problems in display composition, stonework, and platen press work. Introduction to commercial problems and jobs; typographical design.

Whydotski (7:30-9:50)

Credit: 2

Industrial Education 370 *General Bookbinding*

Prerequisite: Industrial Education 363 or Consent of Instructor

Basic fundamentals of the binding and repair of books. Instruction in the making of binding equipment and use of materials obtained from local sources.

Whydotski (7:30-9:50)

Credit: 2

Industrial Education 459 *Presswork*

Prerequisite: Industrial Education 117

Problems and operation of platen and cylinder presses, automatic feeders, and imposition. Problems in bindery operations. Study of paper and inks.

Whydotski (7:30-9:50)

Credit: 2

Industrial Education 557 *Problems in Graphic Arts*

Prerequisite: Graduate Standing

Advanced individual projects in graphic arts. Projects must contain approved factors of educational significance, technical accuracy, and be of a type not previously covered by the individual. Use of shop laboratories as well as literature. Carried on by arrangement and conference. Term paper required.

Whydotski (Hours Arranged)

Credit: 2

WOODWORKING

Industrial Education 116 *General Woodworking*

Prerequisites: Industrial Education 107 and 131

Upholstery, layout for light house frame construction, project planning and building, and woodturning. Management of general woodworking shop.

Olsen (12:30-2:50)

Credit: 2

Industrial Education 131 *Machine Woodworking*

Basic elements in nomenclature, setup and operation of power equipment. Working drawings, bills of material and routing procedures; use of patterns, jigs, and templates.

Soderberg (7:30-9:50)

Credit: 2

Industrial Education 209 *General Finishing*

Study and application of various finishes for composition material, plastics, wood, and metal. Color theory, spraying, baking, drying, polishing, and refinishing.

Soderberg (12:30-2:50)

Credit: 2

Industrial Education 215 *Cabinet Work*

Prerequisite: Industrial Education 311

Student designs and makes patterns, jigs, templates for project designed in Industrial Education 311; constructs project. Drawer and door construction, sectional relationship of structural members, types of joints and methods of fastening.

Soderberg (7:30-9:50)

Credit: 2

Industrial Education 219 *Carpentry*

Actual experience in framing a house. Modular principles employed, the framing of simple roofs.

Olsen (3:00-5:20)

Credit: 2

Industrial Education 221 *Painting and Decorating*

Prerequisite: Industrial Education 209

Application of color theory, color mixing, graining, stenciling, marbling, mottling, stippling, texturing with plastic materials, and other modern wall finishes.

Soderberg (12:30-2:50)

Credit: 2

Industrial Education 246 *Upholstery*

A first course in simple upholstery techniques for home repair and maintenance of upholstered furniture. The uses of tools and equipment, supplies and fillings, and the selection of furniture coverings. Rebuilding and re-stuffing of loose innerspring cushions, and minor repairs of upholstered furniture which can be done in the home with a minimum of tools and equipment. Finishing, refinishing and patching of damaged woodwork. Students may provide their own work projects.

Olsen (12:30-2:50)

Credit: 2

Industrial Education 319 *Carpentry*

Review of gable roof framing; advanced roof framing, cornice construction, exterior finishings, building materials, insulation. Reference assignments and discussions.

Olsen (3:00-5:20)

Credit: 2

Industrial Education 421 *Carpentry*

Prerequisite: Industrial Education 319

Interior finishing, hanging doors, installing kitchen cabinets, elements of stair building.

Olsen (3:00-5:20)

Credit: 2

EDUCATION

Education 234 *Activity Analysis*

Prerequisite: Sophomore Standing

Development of an orderly procedure for the identification of instructional units and projects to be used for teaching purposes. Development of outlines for writing instruction sheets and teaching of each unit.

Jarvis (10:30-11:20)

Credit: 2

Education 235 *Trade Analysis*

For vocational majors. May be substituted for Education 234. Techniques of analyzing occupations into instructional units.

Jarvis (10:30-11:20)

Credit: 2

Education 360 *Audio-Visual Education*

Prerequisite: Junior Standing

Methods of using audio-visual aids effectively in teaching. Experience in operating equipment, production of materials, initiating and operating an audio-visual program; practice in planning and presenting a lesson.

Barnard (7:30-9:20)

Credit: 2

Education 401 *Guidance*

An overview of the major fields of guidance; philosophy of guidance, understanding of the individual, counseling, group guidance, supplementary services and evaluation.

Iverson (11:30-12:20)

Credit: 2

Education 423 *Safety Education*

Prerequisite: Junior or Senior Standing

Highway safety, home safety, industrial safety, farm safety, school safety, and recreational safety. Promotion of a program, content, methods and materials of instruction.

Kranzusch (7:30-8:20)

Credit: 2

Education 441 *Education Evaluation*

Prerequisite: Education 305

Evaluative devices and their use in measuring student attainment of course objectives. Characteristics and limitations of different types of tests and test questions; the interpretation of test scores and grades by means of simple statistical procedures; methods of grading manipulative work and assigning final grades.

Swanson (10:30-11:20)

Credit: 2

Education 402 *Philosophy of Vocational and Adult Education*

Philosophy, organization and administration of vocational and adult education in the nation with special attention given to the Wisconsin program; federal and state laws affecting vocational education; coordination.

Whinfield (1:30-2:20)

Credit: 2

Education 407 *Teaching Trade and Industrial Subjects*

Recognized principles and methods of teaching applied to typical shop and/or related subjects situations as found in the school of vocational and adult education.

Plenke (2:30-3:20)

Credit: 2

Education 443 *Organization of Content Material for Trade and Industrial Subjects*

Individual work following approved practice in the development of teaching material for vocational teaching.

Plenke (8:30-9:20)

Credit: 2

Education 472 *Coordination*

Prerequisite: Graduate or Advanced Standing

Principles of coordination in vocational education in apprenticeship training, distributive education, trades and industries, and diversified occupations. Work-experience program in general education.

Bardwell (9:30-10:20)

Credit: 2

Education 492 *Administration of Vocational and Adult Education*

A survey and analysis of problems in the administration of a vocational and adult school, including legal, policy making, staff personnel, student personnel, curriculum, evaluation, public relations, physical plant and business management.

Bardwell (12:30-1:20)

Credit: 2

Education 490 *Workshop in Tests and Measurements in Counseling*

Prerequisite: Teaching Experience

Selection, use, and interpretation of tests for teachers and counselors. Study of achievement and aptitude tests, personality, and interest inventories with sample applications.

Whinfield (10:30-11:20)

Credit: 2

Education 448 *Driver Education*

A basic course in driver education and practice driving. Involves teaching a learner to drive including learner's passing written and road tests and securing driver's license and doing a research problem or constructing a piece of test apparatus. Driver Training Certification by A.A.A. and State Department of Education on completion of course.

Kranzusch, Bernd, Precourt or Frey
Wisconsin Division A.A.A. and Others

Credit: 2

Education 452 *Driver Education (Advanced Course)*

Prerequisite: Education 448 Driver Education Certificate or Its Equivalent

This course will include program details in driver education in our nation's schools, state laws, school laws and regulations, teaching requirements, techniques for improving practice driving instruction, and a survey of research studies will be made. Improving teaching methods through evaluation and analysis, use of diagnostic tests and materials. Cooperation with state and other organizations in the presentation of instructional materials.

Kranzusch, Bernd, Precourt or Frey

Credit: 2

During the two weeks August 5 to August 16 inclusive, both courses in Driver Education will be offered for a limited number of students. Each course will run for the full two weeks, it being possible for a student to take one course only during this time. These courses are available through a cooperative agreement with the Wisconsin Division of the American Automobile Association. Instruction is articulated with the certification requirements of the Wisconsin State Department of Public Instruction and the Wisconsin Motor Vehicle Department. Requirements of the A.A.A. Driver Training certification are met and the certificate is awarded to those who successfully meet them. The consultant will be Mr. Paul Bernd, Educational Consultant, American Automobile Association. The Wisconsin Department of Education will grant certification to teach driver education in Wisconsin high schools only to those people who take or have taken the course Driver Education, Education 448, for credit.

Education 470 *Conference Leading I*

Prerequisite: Methods of Teaching Industrial Subjects or Equivalent
Study and practice of the principles and techniques of conference leading as an instructional device in vocational education.

Chinnock (7:30-8:20)

Credit: 2

Education 500 *Philosophy of Modern Education*

A comparative study of the main schools of educational philosophy and of their influence in contemporary education thought and practice; points of agreement and of conflict.

Price (12:30-1:20)

Credit: 2

Education 501 *Research Procedures*

Prerequisite: Graduate Standing

Basic course in educational research. Selection of problem, survey of the literature, types of educational research, planning the study, organization and interpretation of data, and preparation of the research report.

Wall (8:30-9:20)

Credit: 2

Education 502 *Principles of Supervision*

Basic principles, types, functions, organizations, and plan of supervision. Interpretation and application of creative supervision plans; individual and class projects concerned with applied methods of supervision in selected educational areas.

Wiehe (8:30-9:20)

Credit: 2

Industrial Education 506 *Problems in Supervision*Home Economics 506 *Problems in Supervision*

Prerequisite: Principles of Supervision, Education 502

Interpretation and application of basic principles of supervision. Individual project; selection, analysis, interpretation and application of plans for a selected supervisor activity. Application of scientific methods for solving supervisory problems emphasized.

Wiehe (11:30-12:20)

Credit: 2

Home Economics 510 *Problems in Home Economics*Industrial Education 510 *Problems in Industrial Education*

Prerequisite: Education 501

Applied research. Interpretation and application of research procedures, use of scientific methods for solving problems, and orientation of student in terms of selected thesis.

Wigen (1:30-2:20)

Credit: 2

Industrial Education 520 *Labor and Industrial Relations*

Human relations in industry from the viewpoints of labor, management and the government.

Agnew (8:30-9:20)

Credit: 2

Industrial Education 526 *Administration*Home Economics 526 *Administration*

Prerequisite: Graduate Standing

Philosophy and principles underlying organization and operation of public education on the local, state, and national levels in the United States. Examination of prevailing practices and current problems of school management.

Wall (11:30-12:20)

Credit: 2

Industrial Education 533 *Survey Procedures*

Procedures and organization for conducting surveys. Application of principles by writing the report for an actual survey.

Rudiger (9:30-10:20)

Credit: 2

Industrial Education 560 *Problems in Audio-Visual Education*

Prerequisite: Education 360

Each student selects a problem on the basis of needs, interests, and previous experience. Project in written form.

Barnard (9:30-10:20)

Credit: 2

Education 561 *Educational Statistics*

Prerequisite: Graduate Standing

Methods of collecting, recording, evaluating, and interpreting educational data.

Swanson (8:30-9:20)

Credit: 2

Education 568 *Curriculum Procedures II*

(Analysis Technique for Instructors)

Prerequisite: Graduate Standing. Not Available to Persons Who Have Had Education 234 or Education 235

Study of systems of analysis of occupations for instructional purposes and for personnel work. Jobs, operations, information topics, blocking, custom trades, service trades, checking levels, progression factors defined. Project in development of complete analysis of an occupation for instructional use.

Jarvis (10:30-11:20)

Credit: 2

ENGLISH

English 216 *English Literature*

Prerequisite: English 102b

A chronological survey of English prose and poetry from Beowulf to Browning. The course lays a foundation for advanced work in literature.

Adams (1:30-2:20)

Credit: 2

English 346 *Expository Writing*

Prerequisite: English 102b

The writing of short reports, definitions, directions, book reviews, and a documented investigative paper.

Adams (8:30-9:20, F; 8:30-10:20, M-T-W-Th)

Credit: 3

English 410 *Writing and Selling Feature Articles*

Prerequisite: English 102b

Practice in techniques of writing and selling feature articles for appropriate markets. Students required to submit articles for potential publication.

Fleming (11:30-12:20)

Credit: 2

MATHEMATICS

Mathematics 314 *Analytical Geometry*

Prerequisite: Mathematics 213

Algebraic treatment of geometry. A graphical analysis of the straight line, the circle, and conic sections in general.

Harbour (1:30-2:20)

Credit: 2

PSYCHOLOGY

Education 303 *Educational Psychology*

Prerequisite: Education 123

Child and adolescent development, learning and its guidance, the individual student, and the implications of interests and attitudes.

Salzer (9:30-10:20)

Credit: 2

Education 513 *Personality and Mental Health*

The nature of personality and the conditions which make for its wholesome development, its maintenance and integration. Personality inventories and scales used for self-analysis.

Oetting (11:30-12:20)

Credit: 2

Education 514 *Vocational Psychology*

Application of psychological techniques to industry with emphasis on employee testing, training, scientific management, efficiency, merit ratings, promotion, safety, morale, and labor relations.

Salzer (7:30-8:20)

Credit: 2

Education 555 *Psychology of Learning*

The nature, principles, forms and conditions of learning. Acquisition, retention, transfer and related phenomena. Applications are made.

Oetting (9:30-10:20)

Credit: 2

SCIENCE

Science 115 *General Chemistry*

Chemical viewpoints, laws, principles and atomic structure as related to chemical reactions. The study of non-metals is followed by that of metals. Materials taught related to the needs of Home Economics and Industrial Education majors. As far as possible, experiments are selected to assist in such applications.

Nitz (7:30-12:20)

Credit: 5

Science 442 *Community Hygiene*

Disease prevention through education, sanitation, isolation and immunization. Public health programs and operation of federal and state laws.

Marshall (8:30-9:20)

Credit: 2 or 3

Science 423 *Physics II*

Prerequisite: Mathematics 213

General laws of physics in the fields of sound and light. Acoustics, vision, lighting standards, lenses, optical instruments, polarization, and fluorescence.

Harbour (9:30-11:20 M-W-F) (7:30-8:20 Daily)

Credit: 3

SOCIAL SCIENCE

Social Science 407 *History of the Americas*

Prerequisite: Social Science 200 or Consent of Instructor

History of the United States of America, broadened to include parallel developments in Latin America and Canada.

Agnew (11:30-1:20 M-T-W-Th) (11:30-12:20 F)

Credit: 3

SPEECH

Speech 223 *Essentials of Public Speaking*

Prerequisite: Speech 106

The techniques of speaking in effecting the understanding, belief, and action of audiences. Principles and methods of oral composition, structure, arrangement, style, delivery, and psychology of the audience.

Ziemann (12:30-1:20)

Credit: 2

ART

Art 400 *Crafts*

Prerequisite: Art 106

Creative design and construction in several crafts; weaving, metal, ceramics.

Amon (12:30-2:20)

Credit: 2

Art 430 *Art History*

From ancient through modern with emphasis on most important periods and masterpieces of art. Art films and field trips.

Amon (8:30-9:20)

Credit: 2

FOOD AND NUTRITION

Home Economics 212 *Family Nutrition*

Prerequisite: Home Economics 114

Scientific study of the principles of human nutrition as a basis for the selection of food for members of the family group.

Meiller (12:30-2:20) (2 Hrs. Arranged)

Credit: 3

Home Economics 300 *Applied Institution Management*

Prerequisites: Home Economics 212, and 230 or 308

Preparation and service of meals in the college tea room under the direction of a student manager. Meal planning, recipe selection, economical use of materials and time, dining room management, food preparation, and cost control.

Killian (10:30-1:20)

Credit: 3

Home Economics 308 *Meal Management*

Prerequisite: Home Economics 212

Planning, preparation and service of meals. Management of money and time, efficient use of equipment, consideration of nutrition needs, food habits, and social customs of family groups.

Harper (10:30-12:20)

Credit: 2

Home Economics 400 *Food and Equipment Demonstrations*

Prerequisite: Home Economics 230 or 308

Planning and giving demonstrations. Active supervised participation; group criticism. Final demonstration open to public.

Clure (11:30-1:20)

Credit: 2

Home Economics 403 *Home Management*

Prerequisite: Home Economics 308

Management of family resources for the attainment of successful family life, social aspects and adjustment of group and family living. Residence in the Home Management House with homemaking and managerial experiences.

Trullinger (1:30-2:20)

Credit: 2 or 4

Home Economics 501 *Trends in Nutrition*

Prerequisite: Home Economics 212

Practical application of recent developments in the field of nutrition.

Meiller (9:30-10:20)

Credit: 2

Home Economics 545 *Modern Trends in Food Preparation*

Prerequisite: Home Economics 308

Individual development of subject matter, evaluation instruments, instructional materials and demonstration techniques.

Harper (7:30-9:20)

Credit: 2 or 3

CLOTHING AND TEXTILES

Home Economics 315 *Textiles*

Study of fibers, yarns, weaves, finishes, and design as applied to the selection of clothing and household fabrics.

Van Ness (9:30-11:20) (2 Hrs. Arranged)

Credit: 3

Home Economics 342 *Costume Millinery*

Basic fundamentals of designing and constructing hats and accessories in fabric, felt, and straw. Techniques for beginners as well as experienced teachers. Millinery made practical and designed for the individual.

Vanek (1:30-3:20) Second Three Weeks

Credit: 2 or 3

Home Economics 412 *Applied Dress Design*

Prerequisite: Home Economics 218

Application of principles of costume design in the construction of garments by means of draping. Emphasis on individuality in costume through appropriate use of line, proportion, color, and texture. Field trip.

Van Ness (1:30-3:20) (2 Hrs. Arranged)

Credit: 2

Home Economics 466 *Modern Methods of Clothing Construction*

Prerequisite: Teaching Experience or Consent of Instructor

Functional methods of garment construction. Cutting the garment to fit; newer sewing techniques; functional arrangement of equipment.

Vanek (9:30-11:20)

Credit: 2

FAMILY LIFE EDUCATION

Home Economics 318 *Family Health and Home Nursing*

Factors necessary to maintain the health of the family. Includes the Red Cross course in Home Care of the Sick. Students earn Red Cross certificate.

Trullinger (8:30-10:20) (M-T-W-Th 1 Hr. Arranged)

Credit: 2

Home Economics 333 *Home Equipment*

The selection, operation, uses and care of home equipment as related to the well-being of the family. Physical laws and principles pertaining to household appliances.

Clure (9:30-10:20)

Credit: 2

Home Economics 424 *Principles and Practices of Child Guidance*

Study of the factors and principles involved in the personality development of the preschool child with the application of these principles to the experiences of the child in the Stout nursery school. Evaluation of the literature in this field. Assist in the nursery school.

Smith (2:30-3:20) (6 Hrs. Arranged in Morning)

Credit: 2

Home Economics 425 *Workshop in Family Relationships and Mental Health*

General orientation and specialized training in leading, counseling, and instructing others in the field of Family Relationships and Mental Health. Special work groups on personal problems, the techniques of marriage counseling, and the role of the school, the home, and the church in the field of Family Life Education.

Dr. Paul Popenoe (June 17 - June 21)

Credit: 1

Mr. Roy Dickerson

HOME ECONOMICS EDUCATION

Home Economics 429 *The Family-Centered Homemaking Program*

Prerequisite: Education 408, 427, or Teaching Experience

Philosophy and development of homemaking programs based on family living today. Methods and teaching aids.

Noble (12:30-1:20)

Credit: 2

Home Economics 524 *Supervision in Home Economics Teaching*

Prerequisite: Teaching Experience or Consent of Instructor

Purposes and philosophy of supervision, the role of the cadet center in preparing home economics teachers, relationships and responsibilities of persons involved, orientation, guidance, and evaluation of student teachers.

Noble (2:30-3:20) First Three Weeks

Credit: 3

Additional Hours Arranged



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